



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 4375 - FRONT AXLE



**Sample No:** VCP442918  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP442918</b>	VCP409002	VCP403841	VCP405069
Sample Date	<b>22 Nov 2023</b>	07 Aug 2023	15 May 2023	09 Mar 2023
Machine Hours	<b>11007</b>	10788	10497	10236
Oil Hours	<b>1026</b>	807	500	255
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**MARYLAND ENVIRONMENTAL SERVICES**  
 21210 MARTINSBURG RD  
 DICKERSON, MD  
 US 20842  
 Contact: ALAN PARRISH  
 aparr@menv.com  
 T: (301)428-8185  
 F: (301)428-8311



### OIL CONDITION

Visc @ 40°C	cSt	<b>49.3</b>	49.6	50.3	53.9
-------------	-----	-------------	------	------	------



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>8</b>	9	10	8
Sodium	ppm	<b>2</b>	2	2	1
Potassium	ppm	<b>0</b>	0	<1	<1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>8</b>	10	8	6
Copper	ppm	<b>3</b>	2	<1	<1
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>&lt;1</b>	<1	1	1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>2</b>	2	2	2
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3316</b>	3420	3494	3336
Magnesium	ppm	<b>17</b>	22	23	20
Zinc	ppm	<b>1306</b>	1385	1462	1347
Phosphorus	ppm	<b>1159</b>	1130	1192	1044
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>101</b>	131	100	98

**Depot:** MARDIC  
**Unique No:** 10763025  
**Signed:** Wes Davis  
**Report Date:** 28 Nov 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

